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NASA Procedural Requirements

COMPLIANCE IS MANDATORY FOR NASA EMPLOYEES**NPR 8705.6D**Effective Date: March 29,
2019Expiration Date: March 29,
2024[Printable Format \(PDF\)](#)**Subject: Safety and Mission Assurance (SMA) Audits, Reviews, and Assessments****Responsible Office: Office of Safety and Mission Assurance**[| TOC](#) | [ChangeHistory](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [Chapter4](#) | [AppendixA](#) |
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Requirements Document	IFOSA	QAAR	Interim/ Independent Assessment
NPD 8700.1, NASA Policy for Safety and Mission Success	X	X	X
NPD 8710.5, Policy for Pressure Vessels and Pressurized Systems	X	X	X
NPD 8720.1, NASA Reliability and Maintainability (R&M) Program Policy			X
NPD 8730.1, Metrology and Calibration		X	X
NPD 8730.2, NASA Parts Policy		X	X
NPD 8730.5, NASA Quality Assurance Program Policy		X	X

NPR 4100, NASA Materials Inventory Management Manual		X	X
NPR 7150.2, Software Engineering (SMA requirements only)		X	X
NPR 7900.3, Aircraft Operations Management	(Currently audited by the Intercenter Aircraft Operations Panel)		
NPR 8000.4, Agency Risk Management Procedural Requirements			X
NPR 8621.1, NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping	X (Including the Center and resident programs and projects)		X
NPR 8705.2, Human-Rating Requirements for Space System			X
NPR 8705.4, Risk Classifications for NASA Payloads			X
NPR 8705.5, Technical Probabilistic Risk Assessment (PRA) Procedures for Safety and Mission Success for NASA Programs and Projects			X
NPR 8705.6, Safety and Mission Assurance Audits, Reviews, and Assessments	X	X	X

NPR 8715.1, NASA Occupational Safety and Health Programs	X		X
NPR 8715.3, NASA General Safety Program Requirements	X		X
NPR 8715.5, Range Flight Safety Program	X (Non-Unmanned Aircraft Systems range operations, including space launch/ entry and scientific balloon operations)		X
NPR 8715.6, NASA Procedural Requirements for Limiting Orbital Debris			X
NPR 8715.7, Expendable Launch Vehicle Payload Safety Program			X
NPR 8735.1, Procedures for Exchanging Parts, Materials, and Safety Problem Data Utilizing the Government-Industry Data Exchange Program and NASA Advisories.		X (Including Center operations and programs and projects)	X
NPR 8735.2, Management of Government Quality Assurance Functions for NASA Contracts		X	X
NASA-STD-6008, NASA Fastener Procurement, Receiving Inspection, and Storage		X	X

Practices for Spaceflight Hardware			
NASA-STD-8709.20, Management of Safety and Mission Assurance Technical Authority (SMA TA) Requirements (As required by NPR 8715.3)		X	X
NASA-STD-8719.7, Facility System Safety Guidebook (As required by NPR 8715.3)	X		X
NASA STD-8719.9, Standard for Lifting Devices and Equipment (As required by NPR 8715.3)	X		X
NASA-STD-8719.11, Safety Standard for Fire Protection (As required by NPR 8715.3)	X		X
NASA-STD-8719.12, Safety Standard for Explosives, Propellants, and Pyrotechnics (As required by NPR 8715.3)	X		X
NASA-STD-8719.13, Software Safety Standard (As required by NPR 7150.2)		X	X
NASA-STD 8719.14, Process for Limiting Orbital Debris (As required by NPR 8715.6)			X

NASA-STD-8719.17, NASA Requirements for Ground-Based Pressure Vessels and Pressurized Systems (PVS) (As required by NPD 8710.5)	X		X
NASA-STD-8739.1, Workmanship Standard for Polymeric Application on Electronic Assemblies (as required by NPD 8730.5)		X	X
NASA-STD-8739.2, Workmanship Standard for Surface Mount Technology (applicable to the extent noted in NASA-STD-8739.6, 9.3.1 & 9.3.2)		X	X
NASA-STD-8739.3, Soldered Electrical Connections (applicable to the extent noted in NASA-STD-8739.6, 9.3.1 & 9.3.2)		X	X
NASA-STD-8739.4, Crimping, Interconnecting Cables, Harnesses, and Wiring (as required by NPD 8730.5)		X	X
NASA-STD-8739.5, Fiber Optics Terminations, Cable Assemblies, and Installation (as required by NPD 8730.5)		X	X

NASA-STD-8739.6, Implementation Requirements for NASA Workmanship Standards (as required by NPD 8730.5)		X	X
NASA-STD-8739.8, Software Assurance Standard (as required by NPR 7150.2)		X	X

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